El Instalador ELECTRICISTA
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VS8801/8401

8-CH/4-CH Video Server

8-CH/4-CH · D1 · Rack Mount Design

VIVOTEK VS8801/8401, the new milestone in video server security performing 8-CH/4-CH high resolution with high frame rate in H.264, are able to convert analog video into digital video with the highest quality. The H.264 compression format drastically reduces the file sizes and conserves valuable bandwidth and storage space. The VS8401 supports simultaneous dual streams, while the VS8801 supports single stream to be transmitted in H.264, MPEG-4 and MJPEG formats for versatile applications. The stream can also be individually configured with frame rates, resolution, and image quality so as to meet different platforms or bandwidth constraints.

Featured with intelligent video functions, such as motion detection & temper detection, the VS8801/8401 are capable of upgrading analog cameras into intelligent cameras. The tamper detection feature can detect events such as blockage, redirection, defocus, and spray-painting of camera lens, making it an intelligent solution to possible camera obstruction. Furthermore, the video server also upgrades the security level of the IP surveillance system with the network security protocols, HTTPS and 802.1x. It is also designed with Giga LAN for large transmission need and DC 12V/AC 24V compatible power input design. These features make VS8801/8401 easy to install and integrate with the existing analog system.

Monitoring with VIVOTEK's ST7501 as the video management software for better scalability and easy-to-use operation is another delightful benefit. Most importantly, it is designed for rack mount solution for easy installation. The solution for video server is a pioneering idea in the world. The innovative vision of video server, VS8801/8401, help you easily upgrade to a full-featured, high-end IP surveillance solution!

Features

- Up to 30 fps in D1 Resolution
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- 8-CH Video and Audio In (VS8801)
  4-CH Video and Audio In (VS8401)
- Two-way Audio
- RS-485 Interface for PTZ Camera Control
- 8 Digital I/O for External Sensor and Alarm (VS8801)
  4 Digital I/O for External Sensor and Alarm (VS8401)
- Built-in SD/SDHC Card Slot for On-board Storage* (VS8401)
- DC 12V/AC 24V Compatible Power Input
- Professional Rack Mount Design
- Supports Gigabit Ethernet Data Transmission

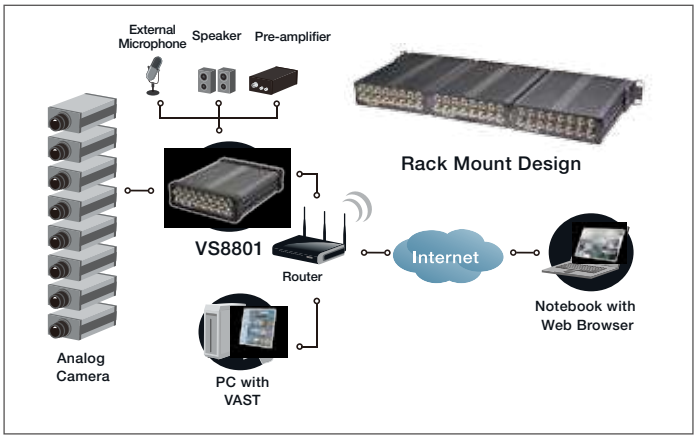
* No SD/SDHC card slot & local storage function for Argentina.

Specifications

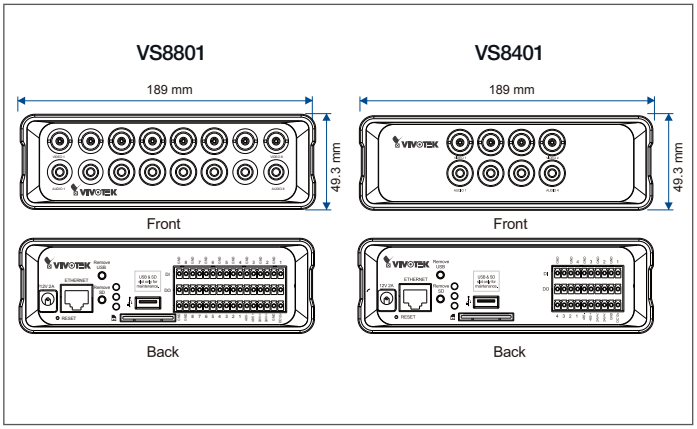
Ver. 1.1

Models	· VS8801 (8-CH) · VS8401 (4-CH)
System	· CPU: Mozart 380 SoC · Flash: 32MB · RAM: 512MB · Embedded OS: Linux 2.6
Camera Control	· PTZ camera control through RS-485 · Supported devices and protocols: DynaDome/ SmartDome Pelco D LiLin Pelco P Samsung scc643 and customized types · Supports CGI command serial driver
Video	· Compression: H.264/MJPEG/MPEG-4 · Streaming: Single Stream (VS8801) or Dual Streams (VS8401) H.264 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 streaming over UDP, TCP, HTTP or HTTPS H.264/MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS · Supports activity adaptive streaming for dynamic frame rate control · Supports 3GPP mobile surveillance · Frame rates: H.264: Up to 30/25 fps @ 720x480 (NTSC) /720x576 (PAL) per channel Up to 180 fps at D1 in total MPEG-4: Up to 30/25 fps @ 720x480 (NTSC) /720x576 (PAL) per channel Up to 80 fps at D1 in total MJPEG: Up to 30/25 fps @ 720x480 (NTSC) /720x576 (PAL) per channel Up to 240 fps at D1 in total
Image Settings	· Adjustable image size, quality and bit rate · Time stamp and text caption overlay · Flip & mirror · Configurable brightness, contrast, saturation, sharpness · Supports privacy masks
Audio	· Compression: G.711 audio encoding, bit rate: 64 kbps, μ-Law, or A-Law mode selectable · Interface: Audio input, up to 1Vrms, 3.5 mm Phone Jack Audio output, Terminal block x 8 (VS8801) Audio input, up to 1Vrms, 3.5 mm Phone Jack Audio output, Terminal block x 4 (VS8401) · Supports two-way audio (Per channel) · Supports audio mute
Networking	· 10/100/1000 Mbps Gigabit Ethernet, RJ-45 · Onvif support · Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP and 802.1X
Alarm and Event Management	· Triple-window video motion detection · Tamper detection · Four D/I and four D/O for external sensor and alarm (VS8401) · Eight D/I and eight D/O for external sensor and alarm (VS8801) · Event notification using HTTP, SMTP or FTP · Local recording of MP4 file
On-board Storage (VS8401)	· SD/SDHC card slot for on-board storage · Stores snapshots and video clips **Note: No SD/SDHC card slot & local storage function for Argentina.*
Security	· Multi-level user access with password protection · IP address filtering · HTTPS encrypted data transmission · 802.1X port-based authentication for network protection
Users	· Live viewing for up to 10 clients
Dimension	· 189 mm (L) x 153 mm (W) x 49.3 mm (H)
Weight	· Net: 837 g (VS8801) · Net: 800 g (VS8401)
LED Indicator	· System power and status indicator · System activity and network link indicator · Local storage activity indicator (VS8401)
Power	· Power input: DC 12V/AC 24V · Power consumption: Max. 24 W
Approvals	· CE, LVD, FCC, VCCI, C-Tick
Operating Environments	· Temperature: -10°C ~ 50 °C · Humidity: 20 ~ 80% RH
Viewing System Requirements	· OS: Microsoft Windows 2000/XP/Vista/Win7 · Browser: Internet Explorer 6 or above · Cell phone: 3GPP player · Real Player: 10.5 or above · Quick Time: 6.5 or above
Installation, Management, and Maintenance	· Installation Wizard 2 · 32-CH ST7501 recording software · Supports firmware upgrade
Interface	· RS-485: Half Duplex
Applications	· SDK available for application development and system integration
Warranty	· 24 months

System Overview



External View



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H.264 • SD/SDHC Card Slot • Rack Mount Design

VIDEO SERVER

Quick Installation Guide

English | 繁中 | 简中 | 日本語 | Français | Español | Deutsch | Português | Italiano | Türkçe | Polski | Русский | Česky | Svenska | العربية

VS8801

8-CH Audio and Video
Single Stream

VS8401

4-CH Audio and Video
Simultaneous Dual Streams

This guide describes the basic functions of VS8801/8401.
All detailed information is described in the user's manual.

Advertencia antes de la instalación

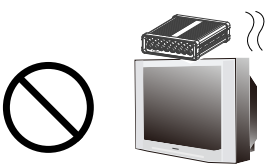
- **Apague el servidor de vídeo si aparece humo o algún olor no habitual.**

Póngase en contacto con su distribuidor si ocurriera esto.

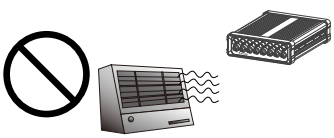
- **Mantenga el servidor de vídeo alejado del agua. Si se moja, apáguelo inmediatamente.**

Póngase en contacto con su distribuidor si ocurriera esto.

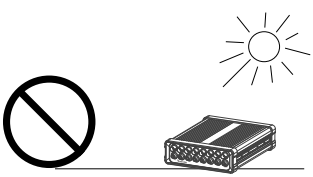
- **No coloque el servidor de vídeo cerca de fuentes de calor, como televisores u hornos.**



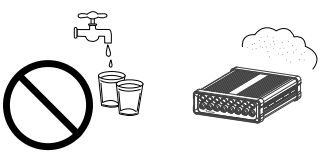
- **Consulte el manual del usuario para ver la temperatura de funcionamiento.**



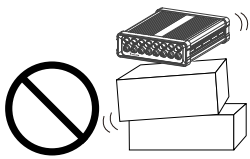
- **Mantenga el Servidor de Vídeo lejos de la luz solar directa.**



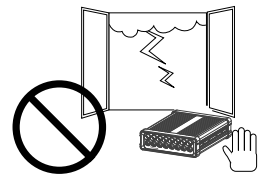
- **No coloque el servidor de vídeo en ambientes de alta humedad.**



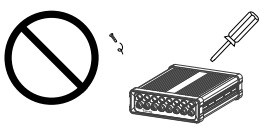
- **No coloque el servidor de video sobre superficies que no sean firmes.**



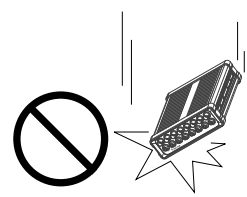
- **No toque el servidor de video si hubiera tormentas.**



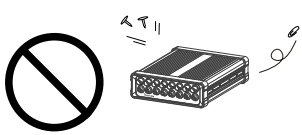
- **No desmonte el servidor de video.**



- **No deje caer el servidor de video.**

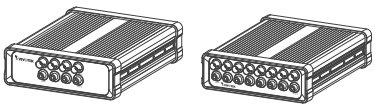


- **No inserte ningun objeto en el servidor de video, como agujas.**

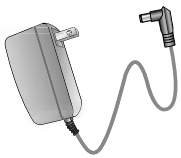


1 Compruebe el contenido del embalaje

VS8401 (4 Canales) o VS8801 (8 Canales)



Adaptador de alimentación

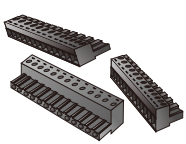


CD de software

Tarjeta de garantía

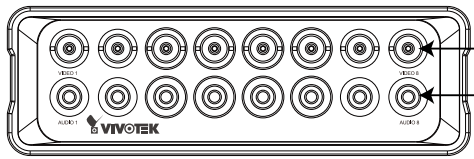
Guía rápida de instalación

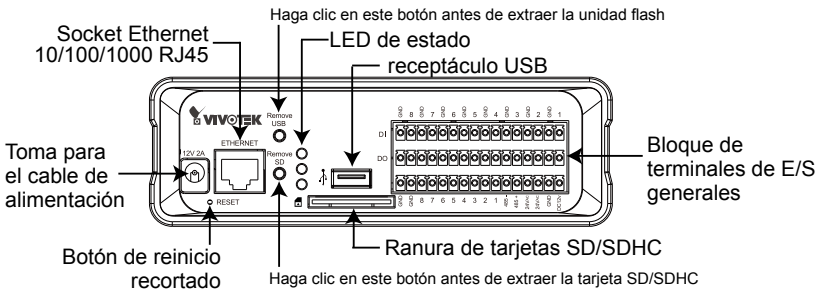
Bloques de Terminal I/O General
VS8401: 3 Piezas de 10 clavijas
VS8801: 3 Piezas de 16 clavijas



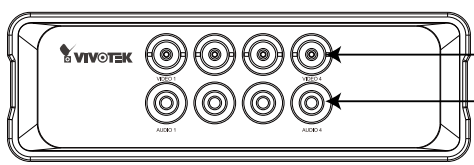
2 Descripción física

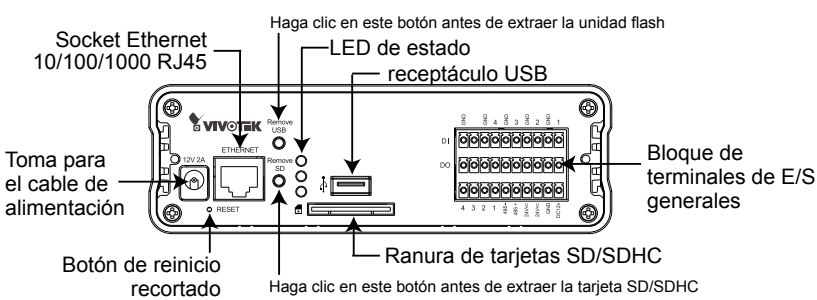
VS8801




Haga clic en este botón antes de extraer la unidad flash
Socket Ethernet 10/100/1000 RJ45
LED de estado
receptáculo USB
Toma para el cable de alimentación
Bloque de terminales de E/S generales
Botón de reinicio recortado
Ranura de tarjetas SD/SDHC
Haga clic en este botón antes de extraer la tarjeta SD/SDHC

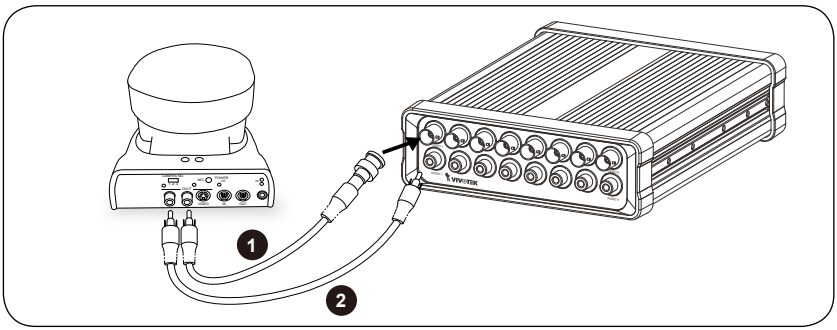
VS8401



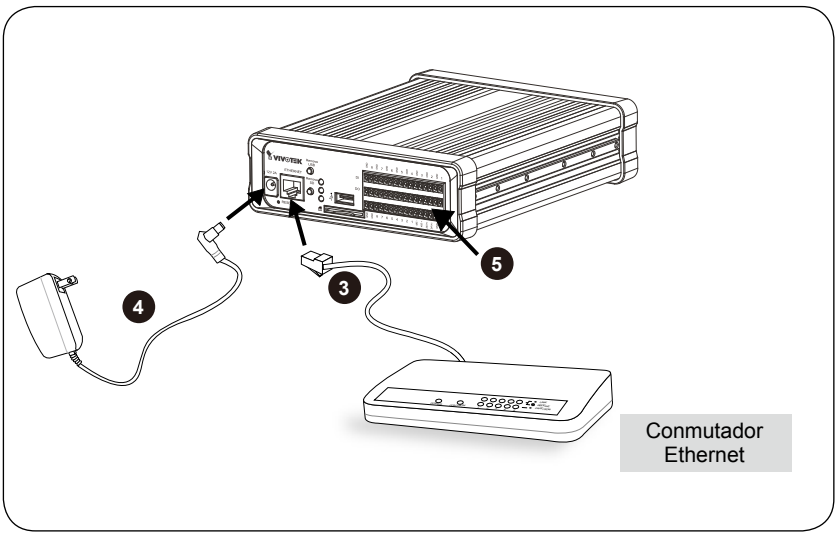

Haga clic en este botón antes de extraer la unidad flash
Socket Ethernet 10/100/1000 RJ45
LED de estado
receptáculo USB
Toma para el cable de alimentación
Bloque de terminales de E/S generales
Botón de reinicio recortado
Ranura de tarjetas SD/SDHC
Haga clic en este botón antes de extraer la tarjeta SD/SDHC

3 Implementación de la red

1. Realice la conexión de vídeo desde la entrada de vídeo BNC hasta la cámara.
2. Realice la conexión de audio desde la entrada de audio RCA hasta la fuente de audio Salida de línea.

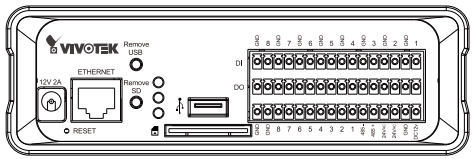


3. Conecte el Servidor de Vídeo a un conmutador via cable Ethernet.
4. Conecte el cable de alimentación desde el Servidor de Vídeo a un tomacorriente.
5. Si dispone de dispositivos externos, como sensores y alarmas, realice la conexión desde el bloque de terminales de E/S generales. Para obtener información detallada sobre la definición de clavijas, consulte la siguiente página.



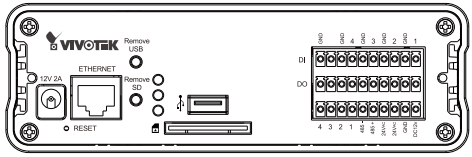
Definiciones de clavijas de los bloques de Terminal I/O General

VS8801



CH 8 GND	CH 8 DI	CH 7 GND	CH 7 DI	CH 6 GND	CH 6 DI	CH 5 GND	CH 5 DI	CH 4 GND	CH 4 DI	CH 3 GND	CH 3 DI	CH 2 GND	CH 2 DI	CH 1 GND	CH 1 DI
CH 8 GND	CH 8 DO	CH 7 GND	CH 7 DO	CH 6 GND	CH 6 DO	CH 5 GND	CH 5 DO	CH 4 GND	CH 4 DO	CH 3 GND	CH 3 DO	CH 2 GND	CH 2 DO	CH 1 GND	CH 1 DO
GND	GND	CH 8 Salida de audio	CH 7 Salida de audio	CH 6 Salida de audio	CH 5 Salida de audio	CH 4 Salida de audio	CH 3 Salida de audio	CH 2 Salida de audio	CH 1 Salida de audio	RS 485-	RS 485+	24V AC	24V AC	GND	DC 12V

VS8401



GND	N/A	CH 4 GND	CH 4 DI	CH 3 GND	CH 3 DI	CH 2 GND	CH 2 DI	CH 1 GND	CH 1 DI
GND	N/A	CH 4 GND	CH 4 DO	CH 3 GND	CH 3 DO	CH 2 GND	CH 2 DO	CH 1 GND	CH 1 DO
CH 4 Salida de audio	CH 3 Salida de audio	CH 2 Salida de audio	CH 1 Salida de audio	RS 485-	RS 485+	24V AC	24V AC	GND	DC 12V

4 Asignación de la dirección IP

1. Ejecute el “Asistente de instalación 2” en el directorio Software Utility del CD de software.
2. El programa realizará un análisis de su entorno de red. Una vez analizada la red, haga clic en el botón “Siguiente” para continuar el programa.

3. El programa buscará los receptores de vídeo, los servidores de vídeo o las cámaras de red de VIVOTEK situados en la misma red local.
4. Después de la búsqueda, aparecerá la ventana del instalador principal. Haga clic en el MAC que corresponde al modelo listado en la parte inferior de su equipo para conectar al Servidor de Vídeo via Internet Explorer.